

CofC
Azadet 10-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): Azadet et al.
Docket No.: 10-2
Serial No.: 09/471,920
Patent No.: 6,999,521
Issue Date: February 14, 2006
Group: 2631
Examiner: Phuong Phu

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature: Robert A. Blum Date: July 31, 2006

Title: Method and Apparatus for Shortening the Critical Path of Reduced Complexity Sequence Estimation Techniques

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Certificate
AUG 07 2006
of Correction

Submitted herewith are the following documents relating to the above-identified patent:

1. Request for Certificate of Correction Under 37 C.F.R. §1.322(a); and
2. Certificate of Correction.

There is no additional fee due in conjunction with this Certificate of Correction. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Kevin M. Mason

Date: July 31, 2006

Kevin M. Mason
Attorney for Applicant(s)
Reg. No. 36, 597
Ryan, Mason & Lewis, LLP
1300 Post Road, Suite 205
Fairfield, CT 06824
(203) 255-6560

AUG - 2 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Patent Application

Applicant(s): Azadet et al.
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Serial No.: 09/471,920
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Examiner: Phuong Phu

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Signature: *Robert B. Bledsoe* Date: July 31, 2006

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TRANSMITTAL LETTER

Commissioner for Patents
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Signature: *Bobbie Blair* Date: July 31, 2006

Title: Method and Apparatus for Shortening the Critical Path of Reduced Complexity Sequence Estimation Techniques

REQUEST FOR CERTIFICATE OF CORRECTION OF
PATENT FOR PTO MISTAKE(S) UNDER 37 C.F.R. 1.322(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.322, the patentee for the above-identified patent hereby requests the issuance of a Certificate of Correction with respect to errors in the above-identified patent.

The errors are set forth on the proposed Certificate of Correction (PTO-1050) submitted herewith, in duplicate.

There is no additional fee due in conjunction with this Certificate of Correction. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

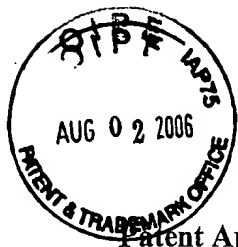
Respectfully submitted,

Kevin M. Mason

Date: July 31, 2006

Kevin M. Mason
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AUG - 8 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): Azadet et al.
Docket No.: 10-2
Serial No.: 09/471,920
Patent No.: 6,999,521
Issue Date: February 14, 2006
Group: 2631
Examiner: Phuong Phu

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature: *Babbitt Blake* Date: July 31, 2006

Title: Method and Apparatus for Shortening the Critical Path of Reduced Complexity Sequence Estimation Techniques

REQUEST FOR CERTIFICATE OF CORRECTION OF
PATENT FOR PTO MISTAKE(S) UNDER 37 C.F.R. 1.322(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

 **COPY**

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Respectfully submitted,

Kevin M. Mason

Date: July 31, 2006

Kevin M. Mason
Attorney for Applicant(s)
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,999,521
DATED : February 14, 2006
INVENTOR(S) : Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 6, line 30, replace " $\alpha_n(\rho_n) = (a_{n-L}(\rho_n), \dots, a_{n-1}(\rho_n))$ " with --
 $\hat{\alpha}_n(\rho_n) = (\hat{a}_{n-L}(\rho_n), \dots, \hat{a}_{n-1}(\rho_n))$ --.

In column 7, line 36, replace " $\alpha = (a_{n-L}, \dots, a_{n-1})$ " with -- $\tilde{\alpha} = (\tilde{a}_{n-L}, \dots, \tilde{a}_{n-1})$ --.

In column 7, line 50, replace " $\lambda_n(z_n, a_n, \alpha) = (z_n - a_n + \tilde{u}(\alpha))^2$ " with --
 $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha}) = (z_n - a_n + \tilde{u}(\tilde{\alpha}))^2$ --.

In column 7, line 55, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

In column 7, line 64, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

In column 7, line 65, replace " $\alpha_n(\rho_n)$ " with -- $\hat{\alpha}_n(\rho_n)$ --.

In column 7, line 67, replace " $\lambda_n(z_n, a_n, \rho_n) = \text{sel}\{\Lambda_n(z_n, a_n, \rho_n), \alpha_n(\rho_n)\}$ " with --
 $\lambda_n(z_n, a_n, \rho_n) = \text{sel}\{\Lambda_n(z_n, a_n, \rho_n), \hat{\alpha}_n(\rho_n)\}$ --.

In column 8, line 2, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

MAILING ADDRESS OF SENDER:

Ryan, Mason & Lewis, LLP
1300 Post Road, Suite 205
Fairfield, CT 06824

PATENT NO. 6,999,521

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In column 8, line 17, replace " $\tilde{u}(\alpha)$ " with -- $\tilde{u}(\tilde{\alpha})$ --.

In column 8, line 20, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

In column 9, line 19, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \alpha_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\alpha_j))^2$ " with --
 $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

In column 9, line 28, replace " $\alpha_j = (a_{n-L,j}, \dots, a_{n-1,j})$ " with -- $\tilde{\alpha}_j = (\tilde{a}_{n-L,j}, \dots, \tilde{a}_{n-1,j})$ --.

In column 9, line 31, replace " α_j " with -- $\tilde{\alpha}_j$ --.

In column 9, line 33, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \alpha_j)$ " with -- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j)$ --.

In column 9, line 54, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \rho_n) = \text{sel}\{\Lambda_{n,j}(z_{n,j}, a_{n,j}), \alpha_{n,j}(\rho_n)\}$ " with --
 $\lambda_{n,j}(z_{n,j}, a_{n,j}, \rho_n) = \text{sel}\{\Lambda_{n,j}(z_{n,j}, a_{n,j}), \tilde{\alpha}_{n,j}(\rho_n)\}$ --.

In column 9, line 57, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \alpha_j)$ " with -- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j)$ --.

In column 9, line 58, replace " α_j " with -- $\tilde{\alpha}_j$ --.

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PATENT NO : 6,999,521
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INVENTOR(S) : Azadet et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 59, replace " $\alpha_{n,j}(\rho_n)$ " with -- $\hat{\alpha}_{n,j}(\rho_n)$ --.

In column 11, line 25, replace " $a_{n-1,j}$ " with -- $\tilde{a}_{n-1,j}$ --.

In column 11, line 27, replace " $\lambda_{n,j}(y_{n,j}, a_{n,j}, a_{n-1,j}) = (y_{n,j} - a_{n,j} - f_{1,j} a_{n-1,j})^2$ " with --
 $\tilde{\lambda}_{n,j}(y_{n,j}, a_{n,j}, \tilde{a}_{n-1,j}) = (y_{n,j} - a_{n,j} - f_{1,j} \tilde{a}_{n-1,j})^2$ --.

In column 11, line 46, replace " $a_{n-i,j}(\rho_n)$ " with -- $\hat{a}_{n-i,j}(\rho_n)$ --.

In column 13, line 4, replace " $\lambda_n(z_n, a_n, \alpha) = (z_n - a_n + \tilde{u}(\alpha))^2$ " with --
 $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha}) = (z_n - a_n + \tilde{u}(\tilde{\alpha}))^2$ --.

In column 13, line 16, replace " $\alpha = (a_{n-L}, \dots, a_{n-1})$ " with -- $\tilde{\alpha} = (\tilde{a}_{n-L}, \dots, \tilde{a}_{n-1})$ --.

In column 13, line 25, replace " $\lambda_n(z_n, a_n, \alpha)$ using the survivor path $\alpha_n(\rho_n)$ " with --
 $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ using the survivor path $\hat{\alpha}_n(\rho_n)$ --.

In column 13, line 27, replace " $\lambda_n(z_n, a_n, \rho_n) = \text{sel}\{\Lambda_n(z_n, a_n, \rho_n), \alpha_n(\rho_n)\}$ " with --
 $\lambda_n(z_n, a_n, \rho_n) = \text{sel}\{\Lambda_n(z_n, a_n, \rho_n), \hat{\alpha}_n(\rho_n)\}$ --.

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In column 13, line 30, replace " $\lambda_n(z_n, a_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

In column 13, line 32, replace " α and wherein $\alpha_n(\rho_n)$ " with -- $\tilde{\alpha}$ and wherein $\hat{\alpha}_n(\rho_n)$ --.

In column 13, line 60, before "from one" and after "branch" replace "metric" with -- metrics --.

In column 14, line 1, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \alpha_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\alpha_j))^2$ " with --
 $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

In column 14, line 10, replace " $\alpha_j = (a_{n-L,j}, \dots, a_{n-1,j})$ " with -- $\tilde{\alpha}_j = (\tilde{a}_{n-L,j}, \dots, \tilde{a}_{n-1,j})$ --.

In column 14, line 18, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \rho_n) = \text{sel}\{\Lambda_{n,j}(z_{n,j}, a_{n,j}), \alpha_{n,j}(\rho_n)\}$ " with --
 $\lambda_{n,j}(z_{n,j}, a_{n,j}, \rho_n) = \text{sel}\{\Lambda_{n,j}(z_{n,j}, a_{n,j}), \hat{\alpha}_{n,j}(\rho_n)\}$ --.

In column 14, line 20, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \alpha_j)$ " with -- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j)$ --.

In column 14, line 22, replace " α_j and $\alpha_{n,j}(\rho_n)$ " with -- $\tilde{\alpha}_j$ and $\hat{\alpha}_{n,j}(\rho_n)$ --.

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In column 14, line 42, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \alpha_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\alpha_j))^2$ " with --
 $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

In column 14, line 50, replace " $\alpha_j = (a_{n-L,j}, \dots, a_{n-1,j})$ " with -- $\tilde{\alpha}_j = (\tilde{a}_{n-L,j}, \dots, \tilde{a}_{n-1,j})$ --.

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